

# **MONTANA ANCIENT TEACHINGS**

## **Curriculum Connections**

### **Theme Content Description**

(By Lesson and Arch Activity)

#### **THEME 1. ANCIENT TEACHINGS IN ARCHAEOLOGY**

##### **1A What Is Archaeology?**

###### **Arch Activity: The Mystery of the Missing Pages**

Science—scientific process of drawing conclusions

Writing—write the missing pages

Reading—read text to solve a mystery, deduction

##### **1B How Is Archaeology Connected to the Present?**

###### **Arch Activity: Past Times**

History—historical events

Math—measurement, range, subtraction, and addition

Writing—similarities and differences

##### **1C How Do Archaeologists Find and Study Archaeological Sites?**

###### **Arch Activity: Site in a Box**

Science—excavation process

Writing—descriptive

Math—metric measurement

Critical Thinking—describe a culture

##### **1D Why Do We Preserve and Protect Archaeological Sites?**

###### **Arch Activity: The Importance of the Past**

History—culture

Writing—sentence response to questions

#### **THEME 2. ANCIENT ORIGINS AND PEOPLE**

##### **2A What Is the Earth's Ancient Origin?**

###### **Arch Activity: Continent Connection**

Science—plate tectonics

Geography—location and coordinates

Writing—paragraph structure

Arts—create Pangaea (paper)

###### **Arch Activity: Wheeling Through Time**

Science—geology, geologic time scale

Writing—sentence comparisons

###### **Arch Activity: Fossil Imprints**

Science—paleontology and fossils

Writing—detailed creative story of fossil's past

Arts—create a fossil (plaster and paint)

##### **2B What Were the Environmental Conditions of the Human Past?**

###### **Arch Activity: Glacial Gutters**

Science—glaciation

Writing—sentence comparisons

Arts—illustrate differences

**Arch Activity: Rising Waters**

Science—ice ages, water  
Writing—paragraphs

**2C How Did Humans Arrive in North America?**

**Arch Activity: Humans on Earth**

History—anthropology and culture  
Math—time, geologic scale, millions, and billions  
Writing—sentences  
Science—geology

**2D Who Are Montana's Ancient People?**

**Arch Activity: Buffalo Jump (Using the Land as a Tool)**

History—anthropology and culture  
Communication—presentations  
Arts—displays/dioramas  
Critical thinking—analyze an event

**Arch Activity: Montana Indian Cultures**

History—culture  
Writing—letters of request  
Geography—land and water features

**THEME 3. ANCIENT TECHNOLOGY**

**3A What Is Ancient Stone Technology?**

**Arch Activity: Tool Time**

Science—technology  
History—tradition and change  
Writing—comparisons

**3B What Non-stone Materials Were Used for Ancient Technology?**

**Arch Activity: Tool Time II (Antler and Bone)**

Science—technology  
History—tradition and change  
Writing—comparisons

**3C What Technology Did Ancient People Use to Harvest and Process Plants?**

**Arch Activity: Making Pemmican**

History—cultural heritage  
Science—technology and foods  
Math—fractions

**3D What Ancient Technology Assisted in Food Preparation?**

**Arch Activity: Ancient Pottery**

Science—technology  
History—culture  
Arts—create pottery

**3E How Was Ancient Art Created?**

**Arch Activity: Ancient Artists**

Science—rock art  
Writing—symbols, definitions, and creative writing  
Communication—commercials  
Arts—create illustration

**3F How Do Archaeologists Analyze and Date Ancient Technology?**

**Arch Activity: Determining the Age of Artifacts**

Science—physics

Math—calculations

**THEME 4. ANCIENT SUBSISTENCE**

**4A What Plants Did Ancient People Use?**

**Arch Activity: Surviving the Wilds**

Science—technology

History—culture

Writing—chart comparison

**4B What Animals Did Ancient People Eat, and How Did They Hunt Their Prey?**

**Arch Activity: Stone Tool Measuring**

Math—metric measurement

Science—stone technology

Writing—diagrams

**4C What Cooking Methods Did Ancient People Use?**

**Arch Activity: What's on the Menu?**

Science—diet and health

Writing—charts

**THEME 5. ANCIENT SHELTER**

**5A What Shelter Was Most Popular Among Ancient People?**

**Arch Activity: Make a Tipi**

Math—construction

Arts—design and paint

**5B Besides Tipis, What Other Types of Shelters Did Ancient People Use?**

**Arch Activity: Construct a Cave**

Arts—make papier maché

# **CURRICULUM CONTENT DESCRIPTION**

(By Arch Activity)

## **1. COMMUNICATION ARTS**

### **Writing**

Activity 1A. Mystery of the Missing Pages	Replacement of missing pages
Activity 1B. Past Times	Similarities and differences
Activity 1C. Site in a Box	Descriptive writing
Activity 1D. The Importance of the Past	Sentence response to questions
Activity 2A. Continent Connection	Paragraph structure
Activity 2A. Wheeling Through Time	Sentence comparisons
Activity 2A. Fossil Imprints	Creative story writing
Activity 2B. Glacial Gutters	Sentence comparisons
Activity 2B. Rising Waters	Paragraphs
Activity 2C. Humans on Earth	Sentences
Activity 2D. Montana Indian Cultures	Letters of request
Activity 3A. Tool Time	Comparisons
Activity 3B. Tool Time II	Comparisons
Activity 3E. Ancient Artists	Symbols, definitions, and creative writing
Activity 4A. Surviving the Wilds	Chart comparisons
Activity 4B. Stone Tool Measuring	Diagrams
Activity 4C. What's on the Menu?	Charts

### **Reading**

Activity 1A. Mystery of the Missing Pages	Read text to solve mystery
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### **Critical Thinking**

Activity 1C. Site in a Box	Describe a culture
Activity 2D. Buffalo Jump	Analyze an event

### **Communication**

Activity 2D. Buffalo Jump	Presentations
Activity 3E. Ancient Artists	Commercials

## **2. HISTORY AND GEOGRAPHY**

### **History**

Activity 1B. Past Times	Historical events
Activity 1D. The Importance of the Past	Culture
Activity 2C. Humans on Earth	Anthropology and culture
Activity 2D. Buffalo Jump	Anthropology and culture
Activity 2D. Montana Indian Cultures	Culture
Activity 3A. Tool Time	Tradition and change
Activity 3B. Tool Time II	Tradition and change
Activity 3C. Making Pemmican	Cultural heritage
Activity 3D. Ancient Pottery	Culture
Activity 4A. Surviving the Wilds	Culture

## **Geography**

Activity 2A. Continent Connection  
Activity 2D. Montana Indian Cultures

Location and coordinates  
Land and water features

## **3. ARTS**

Activity 2A. Continent Connection  
Activity 2A. Fossil Imprints  
Activity 2B. Glacial Gutters  
Activity 2D. Buffalo Jump  
Activity 3D. Ancient Pottery  
Activity 3E. Ancient Artists  
Activity 5A. Make a Tipi  
Activity 5B. Construct a Cave

Create Pangaea (paper)  
Create a fossil (plaster and paint)  
Illustrate differences  
Displays/dioramas  
Create pottery (clay)  
Create illustration  
Design and paint  
Make paper maché

## **4. MATH**

Activity 1B. Past Times  
  
Activity 1C. Site in a Box  
Activity 2C. Humans on Earth  
Activity 3C. Making Pemmican  
Activity 3F. Determining Artifact Age  
Activity 4B. Stone Tool Measuring  
Activity 5A. Make a Tipi

Measurement, range, addition, and subtraction  
Metric measurement  
Timeline, scale, millions, and billions  
Fractions  
Calculations  
Metric measurement  
Construction

## **5. SCIENCE**

Activity 1A. The Mystery of the Missing Pages  
Activity 1C. Site in a Box  
Activity 2A. Continent Connection  
Activity 2A. Wheeling Through Time  
Activity 2A. Fossil Imprints  
Activity 2B. Glacial Gutters  
Activity 2B. Rising Waters  
Activity 2C. Humans on Earth  
Activity 3A. Tool Time  
Activity 3B. Tool Time II  
Activity 3C. Making Pemmican  
Activity 3D. Ancient Pottery  
Activity 3E. Ancient Artists  
Activity 3F. Determining Artifact Age  
Activity 4A. Surviving the Wilds  
Activity 4B. Stone Tool Measuring  
Activity 4C. What's on the Menu?

Scientific method, conclusions  
Excavation process  
Plate tectonics  
Geology, geologic time scale  
Paleontology and fossils  
Glaciation  
Ice Ages, water  
Geology  
Technology  
Technology  
Technology and foods  
Technology  
Technology and art  
Physics  
Technology  
Stone technology  
Diet and health